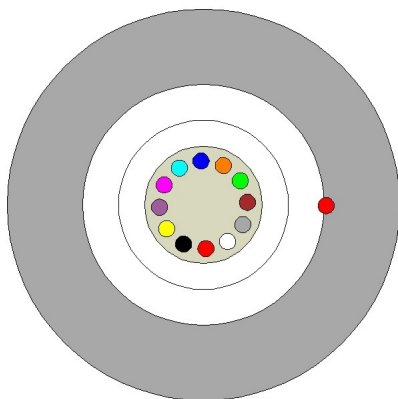


1-24F Un-Armored, Uni-tube Cable, PE Sheath

Cable Design

IEC/EN 60794-3-10



- not to scale -

- **Unitube:** thermoplastic material, containing 24 fibres and filled with a suitable water tightness compound.
- **Peripheral Strength Elements:** glass yarns.
- **Outer Sheath:** PE. 1 ripcord beneath.
- **Suitable for Duct and Indoor Installations**

Technical data

No. of Fibres		24		
Design		1x24		
Loose Tube / Filler - Ø	mm	2.8 nominal		
Sheath thickness	mm	1.5 nominal		
Cable Diameter	mm	7.0 nominal		
Cable Weight	kg / km	44		
Max installation tension	N	1000		
Min. bending radius	mm	Without Tension 10 x Cable-Ø	Under Maximum Tension 20 x Cable-Ø	
Temperature range	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -30 -> +70

Please refer to our General Installation, Safety & Handling recommendations before handling.

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension at installation (short term)	IEC 60794-1-2-E1	1000N	$\Delta I/I \text{ fibre} \leq 0.6\%$, $\Delta\alpha$ reversible
Crush (short/long term)	IEC 60794-1-2-E3	1500N 100mm	$\Delta\alpha \leq 0.3 \text{ dB}$, cable integrity
Temperature range	IEC 60794-1-2-F1	-30 -> +70°C	$\Delta\alpha \leq 0.3 \text{ dB /km}$

* values for single-mode fibres, all optical measurements performed at 1550 nm

* values for multi-mode fibres, all optical measurements performed at 1300 nm

Loose Tube

CLT Un-Armored Cable

Optical Characteristics

See the attached cabled optical fibre data sheet.

Identification

Fibre Colours

Fibre No.	1	2	3	4	5	6
Fibre Colour	blue	orange	green	brown	grey	white

Loose tube colour is natural.

Sheath Colour:

The outer sheath colour is black.

Sheath Marking:

The outer sheath is marked in 1 meter intervals as follows:

FIBRE OPTIC CABLE UNI TUBE UNARMOUR PE <FIBRE QTY x FIBRE TYPE> <xxxx>M

Logistics

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4 km with a tolerance of ± 5%.